

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000252

A. CLASSIFICATION OF SUBJECT MATTER																	
Int. Cl. 7: G01N 33/53, 33/68																	
According to International Patent Classification (IPC) or to both national classification and IPC																	
B. FIELDS SEARCHED																	
Minimum documentation searched (classification system followed by classification symbols) G01N 33/53, 33/68																	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT; JAPIO; Medline; CAPplus (pulmonary, surfactant, SP-A, SP-B, SP-C, SP-D, heart, cardia*, heart failure (determin*, detect*, screen*, monitor*, diagnos*, predict*, analys*), systemic, (body fluid, blood, plasma, serum, urin*)																	
C. DOCUMENTS CONSIDERED TO BE RELEVANT																	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.															
X	Doyle IR et al., (1999), Clinical and Experimental Pharmacology and Physiology, vol. 26, pp 185-197. "Partitioning lung and plasma proteins: Circulating surfactant proteins as biomarkers of alveolocapillary permeability". Whole document.	25-28, 30-36, 37															
X	Shimura, S et al., (1996), Eur Respir J., vol 9, pp 2525-2530. "Surfactant apoprotein-A concentration in airway secretions for the detection of pulmonary oedema". Whole document.	1-37															
X	De Pasquale, CG et al., (Feb 6 2003), Am J Physiol Heart Circ Physiol, vol. 284, pp H2136-H2145. "Infarct-induced chronic heart failure increases bidirectional protein movement across the alveolocapillary barrier". Whole document.	1-37															
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C		<input checked="" type="checkbox"/> See patent family annex															
<p>* Special categories of cited documents:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;">"A"</td> <td style="width: 10%; padding: 2px;">document defining the general state of the art which is not considered to be of particular relevance</td> <td style="width: 60%; padding: 2px;">"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td style="padding: 2px;">"E"</td> <td style="padding: 2px;">earlier application or patent but published on or after the international filing date</td> <td style="padding: 2px;">"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td style="padding: 2px;">"L"</td> <td style="padding: 2px;">document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td style="padding: 2px;">"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td style="padding: 2px;">"O"</td> <td style="padding: 2px;">document referring to an oral disclosure, use, exhibition or other means</td> <td style="padding: 2px;">"&" document member of the same patent family</td> </tr> <tr> <td style="padding: 2px;">"P"</td> <td style="padding: 2px;">document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A"	document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E"	earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P"	document published prior to the international filing date but later than the priority date claimed	
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention															
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"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art															
"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family															
"P"	document published prior to the international filing date but later than the priority date claimed																
Date of the actual completion of the international search 27 April 2004	Date of mailing of the international search report 4 MAY 2004																
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer JULIE GALE Telephone No : (02) 6283 2272																

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Bersten, AD et al., (2001), Am J Respir Crit Care Med, vol. 164, pp 648-652. "Elevated plasma surfactant protein-B predicts development of acute respiratory distress syndrome in patients with acute respiratory failure". Whole document.	25-28, 30-36, 37
X	Kuroki, Y et al., (1993), Am Rev Respir Dis, vol. 147, pp 723-729. "Elevated levels of lung surfactant protein A in sera from patients with idiopathic pulmonary fibrosis and pulmonary alveolar proteinosis". Whole document.	25-28, 30-36, 37
X	Doyle IR et al., (1997), Am J Respir Crit Care Med, vol. 156, pp 1217-1229. "Surfactant proteins-A and -B are elevated in plasma of patients with acute respiratory failure". Whole document.	25-28, 30-36, 37
X	EP 0 224 590 B1 (TEIJIN LIMITED) 23 November 1994 Whole document.	37
X	WO 2000/05585 A1 (BYK GULDEN LOMBERG CHEMISCHE FABRIK GMBH) 3 February 2000. Whole document.	37
X	EP 0 329 794 B1 (TEIJIN LIMITED) 30 March 1994. Whole document.	37
X	WO 1999/13337 A1 (THE FLINDERS UNIVERSITY OF SOUTH AUSTRALIA) 18 March 1999. Whole document.	25-28, 30-36, 37

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
EP	0224590	JP	61275654	JP	62211554	US	5156950
		WO	8607154				
WO	00/05585	AU	49087/99	EP	1101118		
EP	0329794	AU	23091/88	WO	8902075		
WO	99/13337	AU	89652/98	CA	2303169	EP	1018018
		NZ	503175				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX